

RF Performance of Zone 3 class RF1.0 on a Reference RTM Design

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A new Zone 3 Class RF1.0 was first announced on the MTCA WS in 2018. The preliminary specification of the Class RF1.0 was presented in 2019. Measurements with signal frequencies of up to 3 GHz indicated a high potential of the used connectors.

Now the first AMC - RTM combination with the Class RF1.0 has been built to test the RF performance of the Class RF1.0. A new custom SMD footprint for the Coaxi Pack 2 connector further improves signal integrity and significantly reduces intra-insert cross-talk.

First performance measurement results on the reference AMC - RTM combination and a more detailed specification of the Zone 3 Class RF1.0 will be presented.

Summary

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